UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

# NOTICE OF ALLOWANCE AND FEE(S) DUE

22428

7590

07/02/2009

FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007

EXAMINER				
ARCHER, CHRISTOPHER B				
ART UNIT	PAPER NUMBER			

2432

DATE MAILED: 07/02/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/543,124	03/13/2006	Barry Sim Hochfield	033236-0140	2622

TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	10/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

Fee(s) Transmittal. This certificate cannot be used for any other as pagers. Each additional papers, such as an assignment or formal diave its own certificate of mailing or transmission.  Lereby certify that this Fee(s) Transmittal is being deposited with States Postal Service with sufficient postage for first class mail in the difference of the Mail Stop ISSUE FEE address above, or beit transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2885, on the date indicated by transmitted to the USPTO (571) 273-2855, on the date indicated by transmitted to the USPTO (571) 273-2855, on the date indicated b	ce address as DDRESS" for			
FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007  APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMAT 10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262 TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must be used to consider the consideration of the cons			
FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007  APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMAT 10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262 TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLINATIVE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  I hereby certify that this Fee(s) Transmittal is being deposited wit states boxed with states boxed with states boxed with states boxed with states postal states with states				
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATE 10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262 TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). (1) the names of up to 3 registered patent attorneys 1	h the United an envelope ng facsimile elow.			
10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262.  TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	epositor's name)			
10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262.  TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	(Signature)			
10/543,124 03/13/2006 Barry Sim Hochfield 033236-0140 262.  TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	(Date)			
TITLE OF INVENTION: SMARTCARD WITH PROTECTED MEMORY ACCESS  APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	ION NO.			
APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	2			
nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1				
nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1				
nonprovisional YES \$755 \$300 \$0 \$1055 10/02  EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1				
EXAMINER ART UNIT CLASS-SUBCLASS  ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	E DUE			
ARCHER, CHRISTOPHER B 2432 726-020000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  (1) the names of up to 3 registered patent attorneys 1	2/2009			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys 1				
CFR 1.363). (1) the names of up to 3 registered patent attorneys 11				
(1) the matter of up to 5 registered patent attorneys				
A 11 T PTO (dp (122) - 411	or agents OR, alternatively,			
Address form P10/SB/122) attached.  The Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)				
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has b recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filling an assignment.	een filed for			
(A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)				
Please check the appropriate assignee category or categories (will not be printed on the patent):	Government			
4a. The following fee(s) are submitted:  4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)				
☐ Issue Fee ☐ A check is enclosed.				
□ Publication Fee (No small entity discount permitted) □ Payment by credit card. Form PTO-2038 is attached. □ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit card.	edit anv			
overpayment, to Deposit Account Number (enclose an extra copy of				
5. Change in Entity Status (from status indicated above)  a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).				
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant: a registered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the assignee or of the accepted from anyone other than the applicant are gistered attorney or agent; or the accepted from anyone other than the applicant are gistered attorney or agent.	other party in			
interest as shown by the records of the United States Patent and Trademark Office.				
Authorized Signature Date				
Typed or printed name Registration No				
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTC an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, propositions to the usp of the usp o	O to process) eparing, and to complete nmerce, P.O. D. Box 1450,			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/543,124	03/13/2006	Barry Sim Hochfield	033236-0140	2622
22428 759	90 07/02/2009		EXAM	INER
FOLEY AND LARDNER LLP			ARCHER, CHRISTOPHER B	
SUITE 500			ART UNIT	PAPER NUMBER
3000 K STREET NW WASHINGTON, DC 20007		2432 DATE MAIL ED: 07/02/200		

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 417 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 417 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/543,124	HOCHFIELD ET AL.		
Notice of Allowability	Examiner	Art Unit		
	CHRISTOPHER B. ARCHER	2432		
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. <b>THIS</b>		
1. This communication is responsive to the Amendment filed	<u>27 March, 2009</u> .			
2. $\square$ The allowed claim(s) is/are <u>2-6, 8-21</u> .				
<ul> <li>3.   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)   All   b)   Some*   c)  None   of the:</li> <li>1.   Certified copies of the priority documents have been received.</li> <li>2.   Certified copies of the priority documents have been received in Application No</li> <li>3.   Copies of the certified copies of the priority documents have been received in this national stage application from the</li> </ul>				
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.				
5 CORRECTED DRAWINGS ( as "replacement sheets") mus	et he suhmitted			
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") must be submitted.</li> <li>(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> </ol>				
(a) ☐ including changes required by the Notice of Dransperson's Patent Drawing Review (PTO-946) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Date	ė		
<ol> <li>Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date</li> </ol>	7. 🛛 Examiner's Amendr	nent/Comment		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ul><li>8. ☐ Examiner's Stateme</li><li>9. ☐ Other</li></ul>	nt of Reasons for Allowance		

Application/Control Number: 10/543,124 Page 2

Art Unit: 2432

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R.

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

The examiner contacted agent Thomas Bilodeau (Reg. No. 43,438) on 06/26/2009 to

inform the agent that claim 13 was a substantial duplicate of claim 7, and obtained authorization

to cancel claim 7.

Authorization for this examiner's amendment was given in a telephone interview with

Thomas Bilodeau on 06/26/2009.

The application has been amended as follows:

Claim 7 (Cancelled).

Allowable Subject Matter

2. Claims 2-6, and 8-21 are allowed.

3. This communication warrants No Examiner's Reason for Allowance, applicant's reply

make evident the reasons for allowance, satisfying the "record as a whole" proviso of the rule 37

CFR 1.104(e). Specifically, the substance of applicant's arguments filed on 02/18/2009 are

persuasive, as such the reasons for allowance are in all probability evident from the record and

no statement is deemed necessary (see MPEP 1302.14).

4. Any comments Applicants considers necessary must be submitted no later than the

payment of the Issue Fee and to avoid processing delays, should preferable accompany the Issue

Application/Control Number: 10/543,124

Art Unit: 2432

Fees. Such submission should be clearly labeled "Comments on Statement of Reasons for

Page 3

Allowance". In event of any post-allowance papers (e.g. IDS, 312 amendment, petition, etc.),

Applicant is exhorted to mail papers to the Production Control branch in Publications or faxed to

post-allowance papers correspondence branch at (703) 308-5864 to expedite issuing process or

call PUB's Customer Service if any questions at (703) 305-8497.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to CHRISTOPHER B. ARCHER whose telephone number is (571)

270-7308. The examiner can normally be reached on M-F 7:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system.

/CHRISTOPHER B ARCHER/

Examiner, Art Unit 2432

/Gilberto Barron Jr./

Supervisory Patent Examiner, Art Unit 2432